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PTO/SB/08A (10-96)  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Complete if Known</b>			
		Application Number	091 855,224		
		Filing Date	05/14/2001		
		First Named Inventor	VITERI, Fermin		
		Group Art Unit	3746		
		Examiner Name			
Sheet	1	of	13	Attorney Docket Number	0076.001

U.S. PATENT DOCUMENTS						
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
MM		864,017		Miller	08-20-1907	
MM		886,274		Tate	04-28-1908	
MM		1,013,907		Taylor	01-09-1912	
MM		1,227,275		Kraus	05-22-1917	
MM		1,372,121		Davis	03-22-1921	
MM		1,820,755		McMullen	08-25-1931	
MM		1,828,784		Perrin	10-27-1931	
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MM		2,033,010		Russell	03-03-1936	
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MM		2,368,827		Hanson	02-06-1945	
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MM		2,469,238		Newton	05-03-1949	
MM		2,476,031		Farkas	07-12-1949	
MM		2,478,682		Blackwood	08-09-1949	

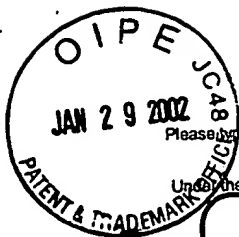
FOREIGN PATENT DOCUMENTS								
Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
MM		GB	6394		Smith	05-28-1898		
MM		FR	350,612		Braun	01-07-1905		
MM		GB	140,516		Torazzi	03-23-1920		
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MM		DE	1,301,821		—	08-28-1969		
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MM		GB	2,111,602		Stahl	07-06-1983		
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MM		DE	3,512,947			10-16-1986		
MM		EP	92120907.8		Drnevich	12-08-1992		

Examiner Signature	Maribel Medina	Date Considered	11/25/03
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 13

### Complete if Known

Application Number	09/355,224
Filing Date	05/14/2001
First Named Inventor	VITERI, Fermin
Group Art Unit	3746
Examiner Name	
Attorney Docket Number	0076-001

### U.S. PATENT DOCUMENTS

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		Number	Kind Code <sup>2</sup> (if known)			
JMM		2,487,435		Goddard	11-08-1949	
JMM		2,523,656		Goddard	09-26-1950	
JMM		2,547,093		Ray	04-03-1951	
JMM		2,563,028		Goddard	08-07-1951	
JMM		2,568,787		Bosch	09-25-1951	
JMM		2,582,938		Eastman	01-15-1952	
JMM		2,605,610		Hermitte	08-05-1952	
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JMM		2,654,217		Rettaliata	10-06-1953	
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JMM		2,869,324		Foote	01-20-1959	

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
JMM		US	WO 94/10427		Ginter	05-11-1994		
JMM		EP	94305077.3		Scharpf	01-18-1995		
JMM		US	WO 96/07024		Beichel	03-07-1996		
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JMM		JP	WO 91/02886		Muraki	03-07-1991		

Examiner  
Signature

Maribel Medina

Date  
Considered

11/25/03

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

13

**Complete if Known**

Application Number

09 | 855,224

Filing Date

05	14	2001
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**First Named Inventor**

VITEI21, Fermion

### Group Art Unit

3746

**Examiner Name**

1

Attorney Docket Number

0076-001

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		Number	Kind Code <sup>2</sup> (if known)			
WML		3,677,239		Elkins	07-18-1972	
WML		3,693,347		Kydd	09-26-1972	
WML		3,702,110		Hoffman	11-07-1972	
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**FOREIGN PATENT DOCUMENTS**

[illegible]

Examiner  
Signature

Maribel Medina

Date  
Considered

11/25/03

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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## Sheet

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of

13

**Complete if Known**

Application Number

09	855,224
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Filing Date

08/14/2001

**First Named Inventor**

VITERI, Fermin

### Group Art Unit

3746

**Examiner Name**

0076.001

## U.S. PATENT DOCUMENTS

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MMH		4,899,537		Cheng	02-13-1990	
MMH		4,910,008		Prudhon	03-20-1990	
MMH		4,916,904		Ramsaier	04-17-1990	
MMH		4,928,478		Maslak	05-29-1990	
MMH		4,942,734		Markbreiter	07-24-1990	
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MMH		4,982,568		Kalina	01-08-1991	
MMH		4,987,735		DeLong	01-29-1991	
MMH		5,050,375		Dickinson	09-24-1991	
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## FOREIGN PATENT DOCUMENTS

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Markel Medina

Date  
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11/25/03

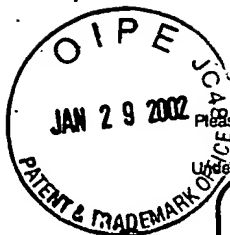
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 10 of 13

### Complete if Known

Application Number	09/885,224
Filing Date	05/14/2001
First Named Inventor	VITERI, Fermin
Group Art Unit	3746
Examiner Name	
Attorney Docket Number	0076-001

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>mm</i>		BRAUSER, S. et al.; A Proposed Hydrogen-Oxygen Power Cycle; 1967; Stillwater, Oklahoma	
<i>mm</i>		REESE, R. et al.; A Proposed Hydrogen-Oxygen Fueled Steam Cycle for the Propulsion of Deep Submersibles; 1971; Massachusetts	
<i>mm</i>		LOTKER, M.; Hydrogen for the Electric Utilities - Long Range Possibilities; 1974; Hartford, Connecticut	
<i>mm</i>		LUCCI, A. et al.; Title Unknown (IECEC '75 Record); 1975; Canoga Park, California	
<i>mm</i>		DE BIASI, V.; A Look Into Real Payoffs for Combined Cycle Conversions; Gas Turbine World; 1984; pp. 17, 18, 20, 22	
<i>mm</i>		PAK, P. S. et al.; Closed Dual Fluid Gas Turbine Power Plant Without Emission of CO <sub>2</sub> into the Atmosphere; IFAC/IFORS/IAEE Symposium; 1989; Pergamon Press; Tokyo Japan	
<i>mm</i>		BOLLAND, O. et al.; New Concepts for Natural Gas Fired Power Plants which Simplify the Recovery of Carbon Dioxide; Energy Convers. Mgmt.; 1992; pp. 467-475; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	
<i>mm</i>		HENDRIKS, C.A. et al.; Carbon Dioxide Recovery Using a Dual Gas Turbine IGCC Plant; Energy Convers. Mgmt.; 1992; pp. 387-396; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	
<i>mm</i>		MERCEA, P. V. et al.; Oxygen Separation from Air by a Combined Pressure Swing Adsorption and Continuous Membrane Column Process; Journal of Membrane Science; 1994; pp. 131-144; Cincinnati, Ohio	
<i>mm</i>		BOLLAND, O. et al.; Comparative Evaluation of Combined Cycles and Gas Turbine Systems with Water Injection, Steam Injection, and Recuperation; Transactions of the ASME; January 1995; pp. 138-140, 142-145; Vol. 117	

Examiner Signature

*Maribel Medina*

Date

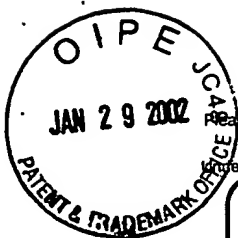
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

11

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MM		ALKAM, M. K. et al.; Methanol and Hydrogen Oxidation Kinetics in Water at Supercritical States; 1995; The University of Iowa; Iowa City, Iowa	
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MM		EPA Proposes Across-the-Board Phase II NOx Limitations; Air Pollution Regulatory Analysis Service; January 19, 1996; Article No. 96-2	
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Examiner Signature

Manuel Medina

Date

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Sheet 12 of 13

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Application Number	091 855, 224
Filing Date	05/14/2001
First Named Inventor	VITERI, Fermin
Group Art Unit	3746
Examiner Name	
Attorney Docket Number	0076.001

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
mm		ULIZAR, I. et al.; A Semiclosed-Cycle Gas Turbine With Carbon Dioxide-Argon as Working Fluid; Journal of Engineering for Gas Turbines and Power; July 1997; pp. 612-616; Vol. 19	
mm		WILSON, D. G. et al.; The Design of High-Efficiency Turbomachinery and Gas Turbines, Second Edition; 1998; pp. 146-161; Prentice Hall; Upper Saddle River, New Jersey	
mm		BANNISTER, R. L. et al.; Development of a Hydrogen-Fueled Combustion Turbine Cycle for Power Generation; Transactions of the ASME; April 1998; pp. 276-283; Vol. 120	
mm		MATHIEU, P. et al.; Zero-Emission MATIANT Cycle; Transactions of the ASME; January 1999; pp. 116-120; Vol. 121	
mm		Norwegian Idea for CO <sub>2</sub> -Free Power Generation; Greenhouse Issues; March 1999	
mm		TURKENBURG, W. C. et al.; Fossil Fuels in a Sustainable Energy Supply: The Significance of CO <sub>2</sub> Removal; A Memorandum at the Request of the Ministry of Economic Affairs the Hague; June 1999; pp. 1-26; Utrecht	
mm		BILGER, R. W.; Zero Release Combustion Technologies and the Oxygen Economy; Fifth Int'l Conference on Technologies and Combustion for a Clean Environment; July 1999; Lisbon, Portugal	
mm		BILGER, R. W.; The Future for Energy from Combustion of Fossil Fuels; Fifth Int'l Conference on Technologies and Combustion for a Clean Environment; July 1999; Lisbon, Portugal	
mm		HERZOG, H. et al.; Capturing Greenhouse Gases; Scientific American; February 2000; pp. 72-79	
mm		ANDERSON, R. E. et al.; A Unique Process for Production of Environmentally Clean Electric Power Using Fossil Fuels; 8th International Symposium on Transport Phenomena and Dynamics of Rotating Machinery; March 2000; pp. 1-6; Honolulu, Hawaii	

Examiner  
Signature

Maribel Medina

Date  
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Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet

13

of

13

**Complete if Known**

Application Number

091855,224

Filing Date

05/10/2001

**First Named Inventor**

VITTEL, Fermin

### Group Art Unit

3746

**Examiner Name**

0076001

## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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Examiner  
Signature

Maribel Medina

Date \_\_\_\_\_

**Considered**

11/25/03

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				Application Number	09/855,224
				Filing Date	05/14/2001
				First Named Inventor	VITERI, Fermin
				Group Art Unit	1754
				Examiner Name	MEDINA, Maribel
Sheet	1	of	2	Attorney Docket Number	0076.001

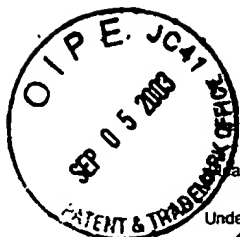
[illegible][illegible]

Examiner Signature	<i>Maribel Medina</i>	Date Considered	11/25/03
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			Examiner Name	MEDINA, Maribel	
Sheet	2	of	2	Attorney Docket Number	0076.001

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MM		YANTOVSKII, E. I.; The Thermodynamics of Fuel-Fired Power Plants without Exhaust Gases; World Clean Energy Conference; November 1991; Geneva	
MM		YANTOVSKII, E. I.; Computer Exergonomics of Power Plants without Exhaust Gases; Energy Convers. Mgmt.; 1992; pp. 405-412; Vol. 33, No. 5-8; Pergamon Press Ltd.; Great Britain	
MM		YANTOVSKII, E. I.; A Zero Emission Combustion Power Plant for Enhanced Oil Recovery; Energy; 1995; pp. 823-828; Vol. 20, No. 8	

Examiner Signature	<i>Maribel Medina</i>	Date Considered	11/25/03
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